

Set	Items	Description
S1	56	AU=(SOLTZ B? OR SOLTZ, B?)
S2	464	AU=(DEVORE D? OR DEVORE, D?)
S3	15	AU=(DEVORE B? OR DEVORE, B?)
S4	98	AU=(SOLTZ R? OR SOLTZ, R?)
S5	57	AU=(SOLTZ M? OR SOLTZ, M?)
S6	688	S1:S5
S7	0	S6 AND "DERIVATIZED COLLAGEN"
S8	111	S6 AND COLLAGEN
S9	0	S8 AND DERIVATIZED
S10	0	S8 AND DERIVATIZE
S11	0	S8 AND SH
S12	0	S8 AND COO-
S13	0	S5 AND SH
S14	0	S8 AND SULFHYDRAL
S15	2	S8 AND SULFONYL
S16	0	S15 AND ACYLATED
S17	0	S5 AND COLLAGEN AND ADHESIVE
S18	2	S5 AND COLLAGEN
S19	2	S8 AND ADHESIVE
S20	5454	COLLAGEN AND ADHESIVE
S21	8	S20 AND SH
S22	0	S21 AND COO-
S23	0	S21 AND COO
S24	0	S20 AND SULFONYL
S25	0	S20 AND SULFHYDRAL
S26	1	S20 AND ACYLATED
S27	0	S26 AND S21
S28	16	S20 AND DERIVATIZED
S29	0	S28 AND S21
S30	0	S26 AND S28
S31	1	S28 AND PATCH
S32	0	S28 AND MESH
S33	0	S28 AND WIRE
?		

D Usable P.A.

T S15/3, K/ALL
>>>KWIC option is not available in file(s): 399

15/3, K/1 (Item 1 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.

109176392 CA: 109(20)176392n PATENT
Viscoelastic collagen solution for use in ophthalmic surgery and method of preparation
INVENTOR(AUTHOR): Devore, Dale P.; Scherrer, Robert A.; Scholz, Matthew T.
LOCATION: USA
ASSIGNEE: Minnesota Mining and Mfg. Co.
PATENT: United States ; US 4713446 A DATE: 871215
APPLICATION: US 890847 (860806) *US 773310 (850906)
PAGES: 20 pp. Cont.-in-part of U.S. Ser. No. 773,310, abandoned. CODEN: USXXAM LANGUAGE: English CLASS: 530356000; A61K-031/78A; A61B-017/00B

15/3, K/2 (Item 2 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.

106201790 CA: 106(24)201790p PATENT
Viscoelastic collagen solution for ophthalmic use and method of preparation
INVENTOR(AUTHOR): DeVore, Dale P.; Scherrer, Robert A.; Scholz, Matthew T.
LOCATION: USA
ASSIGNEE: Minnesota Mining and Mfg. Co.
PATENT: European Pat. Appl. ; EP 214853 A2 DATE: 870318
APPLICATION: EP 86306880 (860905) *US 773310 (850906)
PAGES: 61 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C08H-001/06A;
A61L-017/00B DESIGNATED COUNTRIES: DE; FR; GB; IT; SE
?

T S19/3,K/ALL

>>>KWIC option is not available in file(s): 399

19/3,K/1 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

(c) 2003 NTIS, Intl Cpyrgt All Rights Res. All rts. reserv.

0426899 NTIS Accession Number: PB-227 231/8/XAB

A Study of the Adhesive Mechanisms of Various Species of the Sea Mussel

(Annual rept. Jul 72-Aug 73)

Sherwood, B. E. ; DeVore, D. P. ; Schwartz, W. E.

Battelle Memorial Inst., Columbus, Ohio. Columbus Labs.

Corp. Source Codes: 401817

Report No.: NIH-NIDR-70-2237

15 Oct 73 42p

Journal Announcement: GRAI7407

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

A Study of the Adhesive Mechanisms of Various Species of the Sea Mussel

Sherwood, B. E. ; DeVore, D. P. ; Schwartz, W. E.

... indicate that sea mussel cementum is a structural protein exhibiting some of the properties of collagen but differing from it. Evidence implicating collagen as a major fraction of the cementum was not obtained. The salt-soluble fraction of sea mussel adhesive was different from tropocollagen with respect to fiber formation by the action of tyrosinase and amino acid oxidase. Cross links from aldol condensation and Schiff-base condensation as found in collagen which are initiated by amino acid oxidase were not identified. The amino acid cross links...

19/3,K/2 (Item 1 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

117258275 CA: 117(26)258275f PATENT

Collagen-based adhesives and sealants for medical use and methods of preparation thereof

INVENTOR(AUTHOR): Kelman, Charles D.; Devore, Dale P.

LOCATION: USA

ASSIGNEE: Autogenesis Technologies, Inc.

PATENT: PCT International ; WO 9213025 A1 DATE: 920806

APPLICATION: WO 92US704 (920127) *US 646944 (910129)

PAGES: 29 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C08H-001/06A; C08G-002/02B; C08G-002/18B; C08G-004/00B; C08F-002/46B; C09J-189/06B; A61L-025/00B DESIGNATED COUNTRIES: BR; CA; JP DESIGNATED REGIONAL: AT; BE ; CH; DE; DK; ES; FR; GB; GR; IT; LU; MC; NL; SE ?

T S31/3,K/ALL

>>>KWIC option is not available in file(s): 399

31/3,K/1 (Item 1 from file: 34)DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2003 Inst for Sci Info. All rts. reserv.

01276065 Genuine Article#: GL281 No. References: 35

Title: HEPATOCYTE ADHESION TO CARBOHYDRATE-DERIVATIZED SURFACES .2.**REGULATION OF CYTOSKELETAL ORGANIZATION AND CELL MORPHOLOGY**

Author(s): WEISZ OA; SCHNAAR RL

Corporate Source: JOHNS HOPKINS UNIV,SCH MED,DEPT

PHARMACOL/BALTIMORE//MD/21205; JOHNS HOPKINS UNIV,SCH MED,DEPT
NEUROSCI/BALTIMORE//MD/21205

Journal: JOURNAL OF CELL BIOLOGY, 1991, V115, N2, P495-504

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: HEPATOCYTE ADHESION TO CARBOHYDRATE- DERIVATIZED SURFACES .2.**REGULATION OF CYTOSKELETAL ORGANIZATION AND CELL MORPHOLOGY**

Abstract: Rat hepatic lectins mediate adhesion of isolated rat hepatocytes to synthetic surfaces derivatized with galactosides. Initial weak adhesion is followed by rapid adhesion strengthening. After hepatocytes contact galactose- derivatized gels, the hepatic lectins move rapidly into an inaccessible patch at the adhesive surface (Weisz, O A., and R. L. Schnaar. 1991. J. Cell Biol. 115:485-493...).

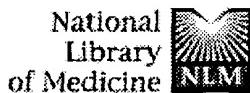
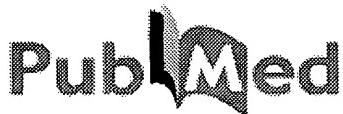
...adhesion strengthening (without reducing weak cell adhesion). Clathrin and actin were readily detected in the adhesive patch by immunofluorescence microscopy.

Rat hepatocytes also adhered avidly to surfaces derivatized with asialofetuin, a high-affinity ligand for the rat hepatic lectins. However, hepatic lectin molecules did not migrate into a patch on the asialofetuin- derivatized surface, suggesting that hepatic lectin-asialofetuin binding may have resulted in the rapid formation of ...

...of additional lectin molecules into the contact site. The cells were unable to increase their adhesive contact area by flattening onto the derivatized surface. Treatment of cells with cytochalasin, however, did result in an increase in the size of the contact area. Cells adhering to surfaces derivatized with an adhesion-promoting peptide (containing an arg-gly-asp sequence) had larger contact areas than those adhering to galactoside- derivatized surfaces. A model is proposed in which carbohydrate-mediated adhesion causes specific reorganization of cytoskeletal...

...Identifiers--ISOLATED RAT HEPATOCYTES; RECEPTOR-MEDIATED ENDOCYTOSIS; EXTRACELLULAR-MATRIX; FIBROBLAST ADHESION; COATED VESICLES; IV COLLAGEN ; FIBRONECTIN; PROTEINS; GLYCOPROTEINS; COLCHICINE

?



-263

PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Books
Search <input type="text" value="PubMed"/>	<input type="button" value="Search"/>	for <input type="text" value="devore and collagen and derivatized"/>				<input type="button" value="Preview"/>	<input type="button" value="Go"/>	<input type="button" value="Clear"/>
		Limits	Preview/Index	History	Clipboard	Details		

[About Entrez](#)[Text Version](#)**Entrez PubMed**[Overview](#)[Help | FAQ](#)[Tutorial](#)[New/Noteworthy](#)[E-Utilities](#)**PubMed Services**[Journals Database](#)[MeSH Browser](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[LinkOut](#)[Cubby](#)**Related Resources**[Order Documents](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)[Privacy Policy](#)

Search	Most Recent Queries	Time	Result
	#15 Search devore and collagen and derivatized	03:29:24	0
	#14 Search devore and collagen	03:29:17	<u>14</u>
	#13 Search devore and collagen and tissue and adhesive	03:29:12	0
	#12 Search collagen and tissue and adhesive and derivatized	03:28:14	3
	#11 Search collagen and tissue and adhesive	03:28:04	<u>562</u>
	#10 Search collagen and tissue	03:27:58	<u>41432</u>
	#9 Search collagen and derivatized and acylated	03:27:49	0
	#8 Search collagen and derivatized and COO-	03:27:46	0
	#7 Search collagen and derivatized and COO	03:27:43	0
	#6 Search collagen and derivatized and sulphydral	03:27:36	0
	#5 Search collagen and derivatized and sulhydral	03:27:28	<u>51</u>
	#4 Search collagen and derivatized and sulfonyl	03:27:18	1
	#3 Search collagen and derivatized and SH-	03:27:13	0
	#2 Search collagen and derivatized	03:27:08	<u>51</u>
	#1 Search collagen	03:27:01	<u>88924</u>

[Write to the Help Desk](#)[NCBI | NLM | NIH](#)[Department of Health & Human Services](#)[Freedom of Information Act | Disclaimer](#)

Mar 17 2003 10:44:01